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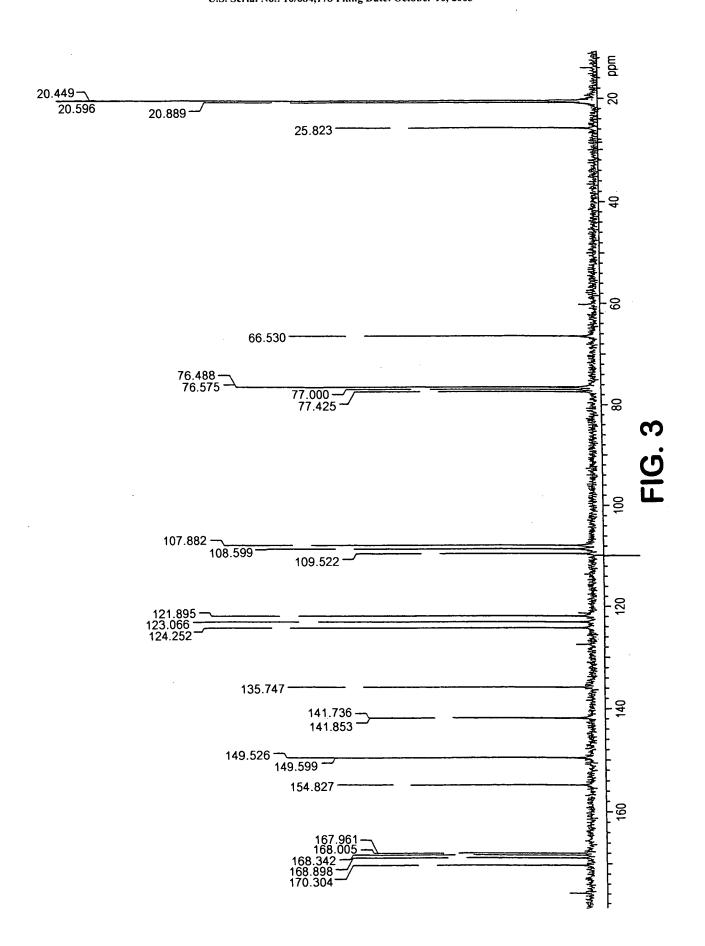
Title: Isolation, Purification and Synthesis Of Procyanidin B2 and Uses Thereof Applicants: Castillo et al. Attorney Docket No. 17170-004001(25835-4003)

U.S. Serial No.: 10/684,178 Filing Date: October 10, 2003

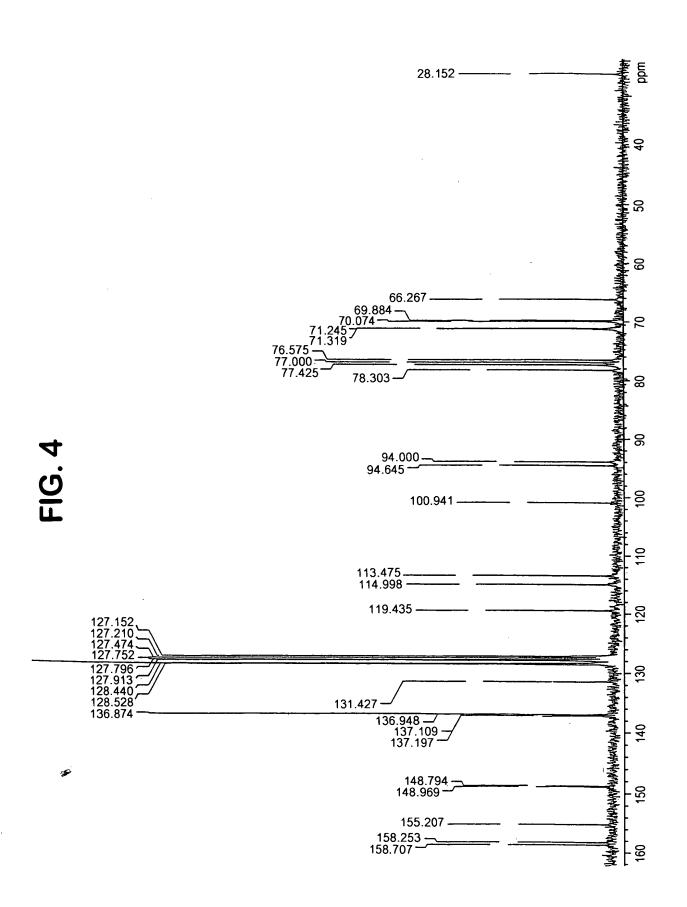
(2) N. Ó 3 Ethylene glycol OBn OBn Reduction BnO TiC4 Oxidation OB_n 4 Б OBn 20% Bno-Hydrogenation NaH, DMF BnBr 동 S H (5) F Catechin

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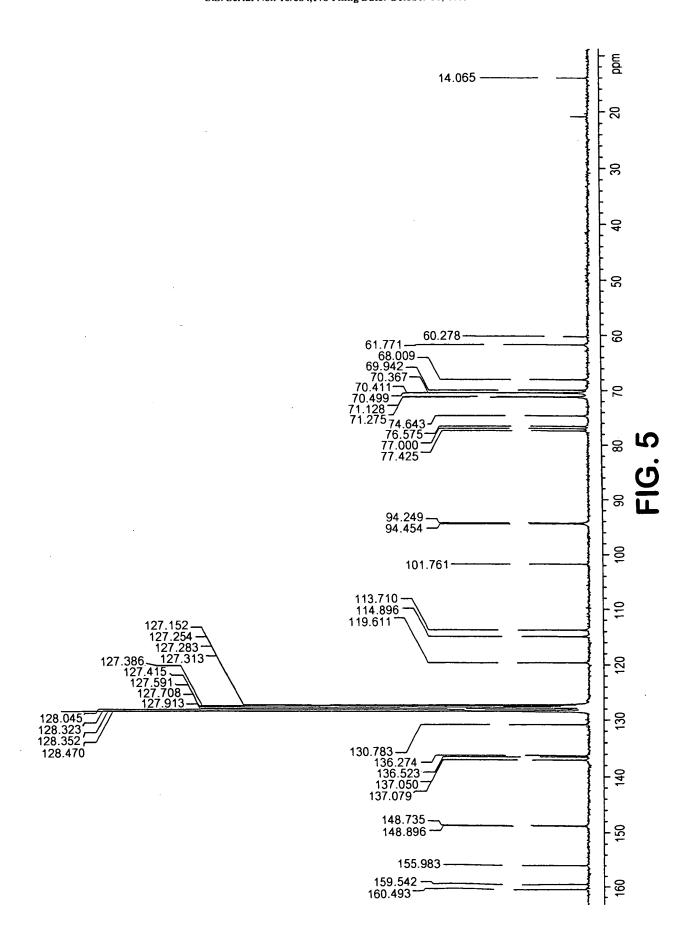
REPLACEMENT SHEET FISH & RICHARDSON P.C. Sheet 3 of 25



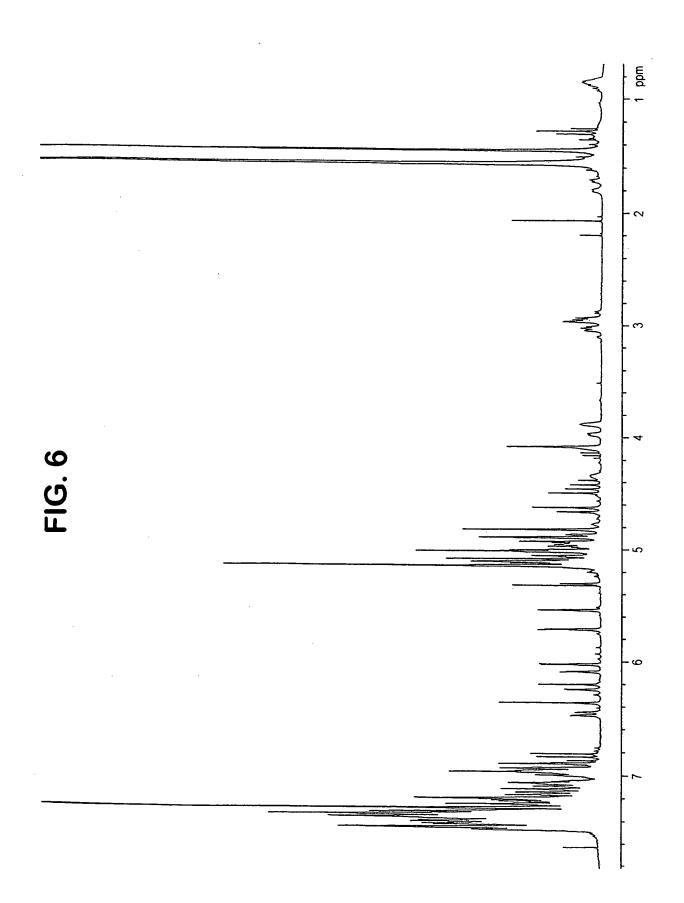
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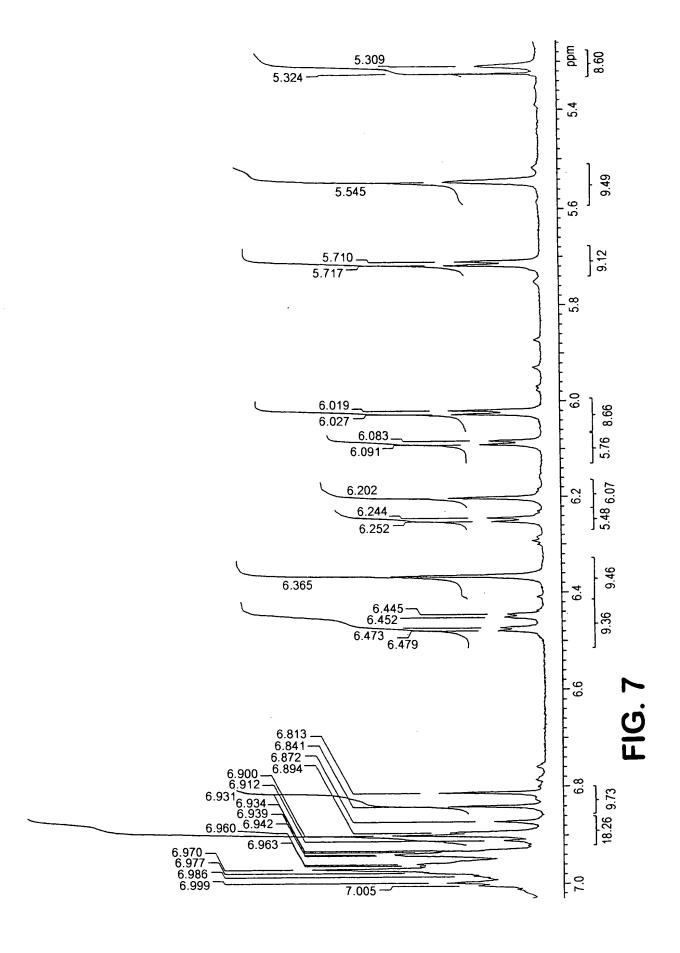
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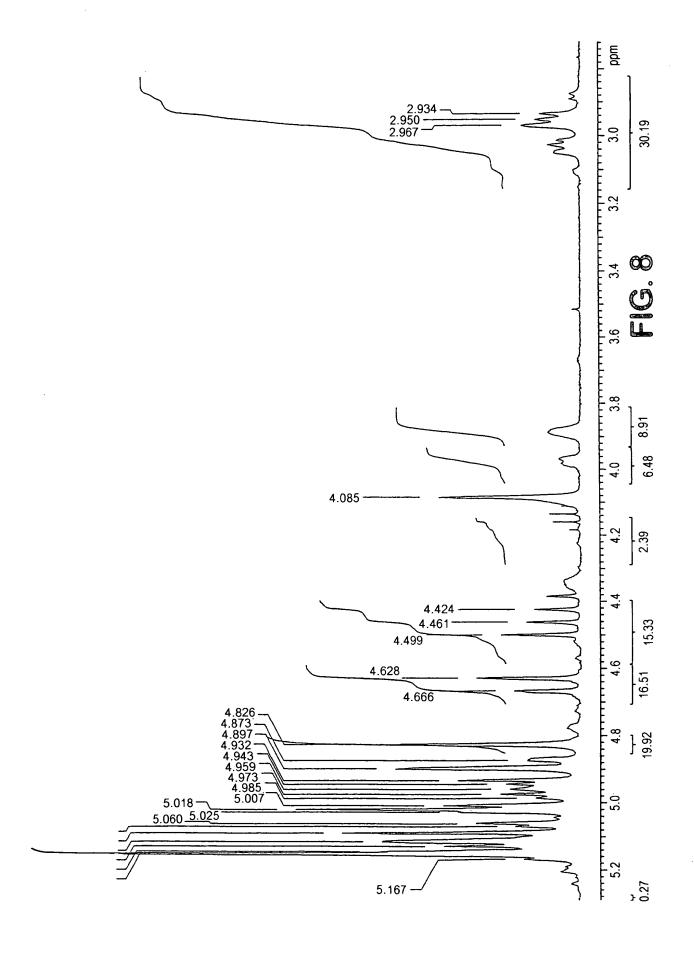
REPLACEMENT SHEET FISH & RICHARDSON P.C. Sheet 6 of 25



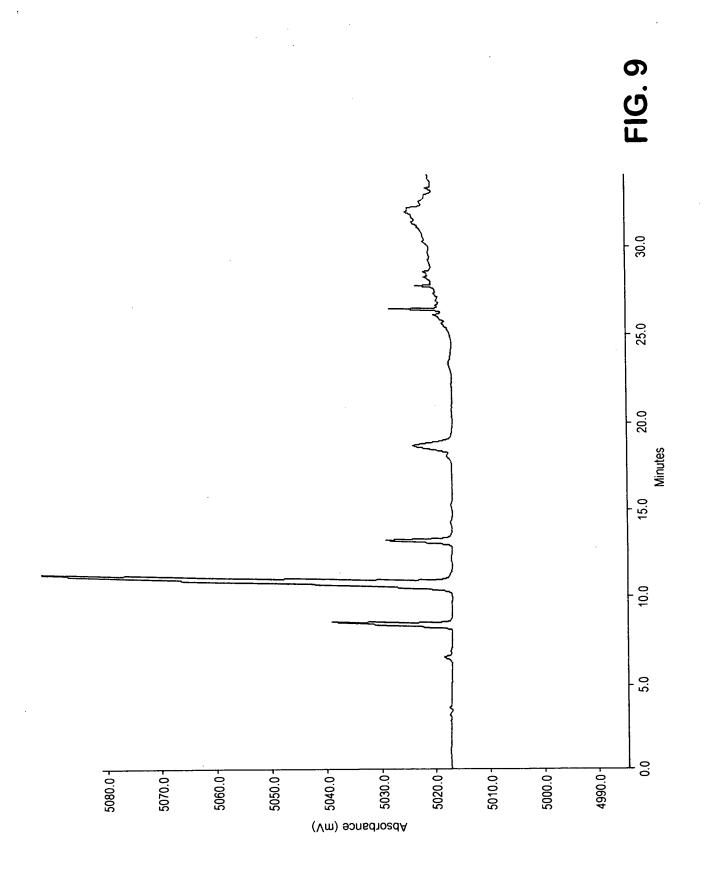
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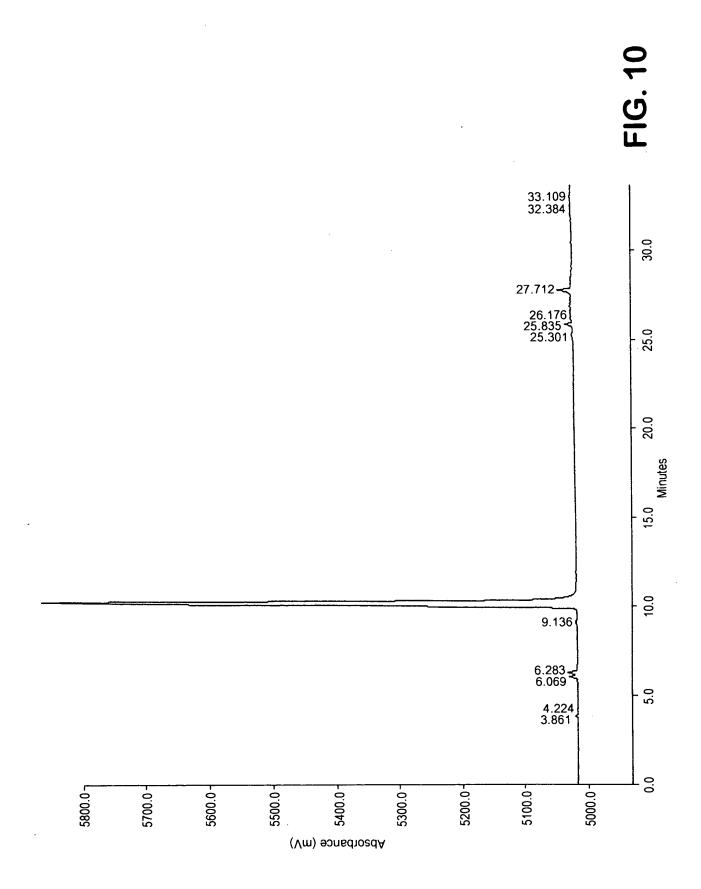
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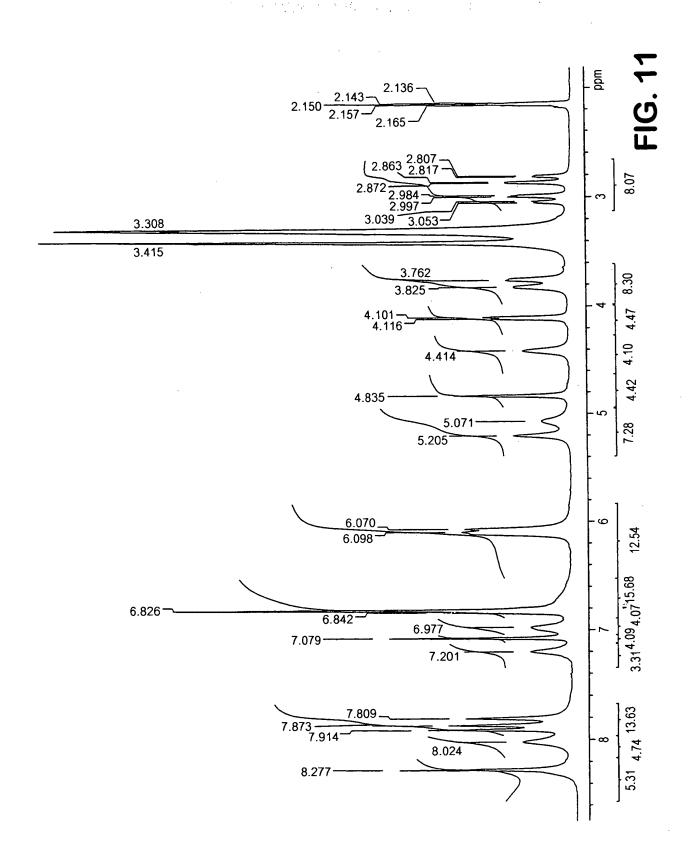
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FISH & RICHARDSON P.C.
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Title: Isolation, Purification and Synthesis Of Procyanidin B2 and Uses Thereof
Applicants: Castillo et al. Attorney Docket No. 17170-004001(25835-4003)
U.S. Serial No.: 10/684,178 Filing Date: October 10, 2003



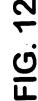
REPLACEMENT SHEET FISH & RICHARDSON P.C. Sheet 10 of 25

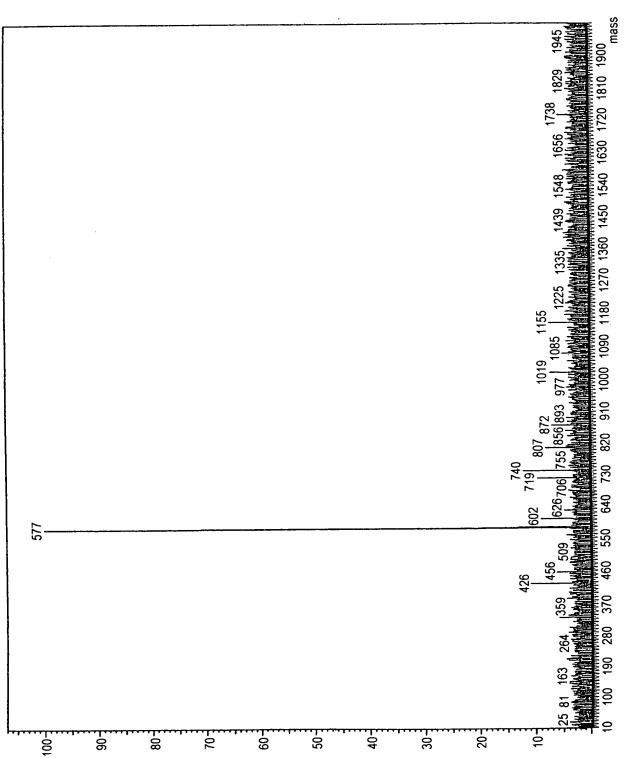


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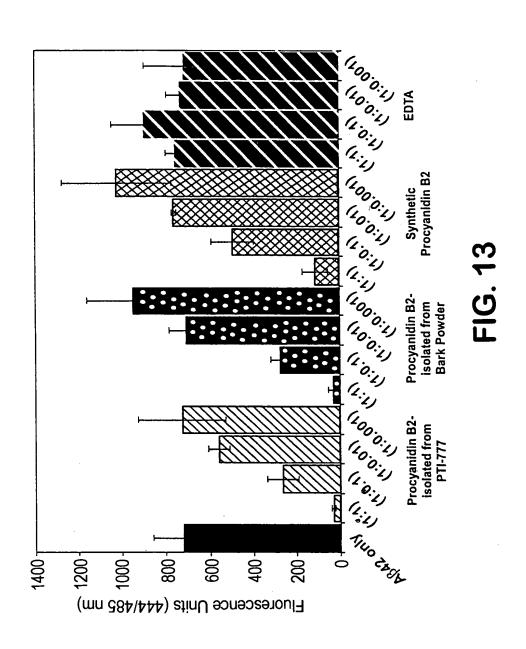


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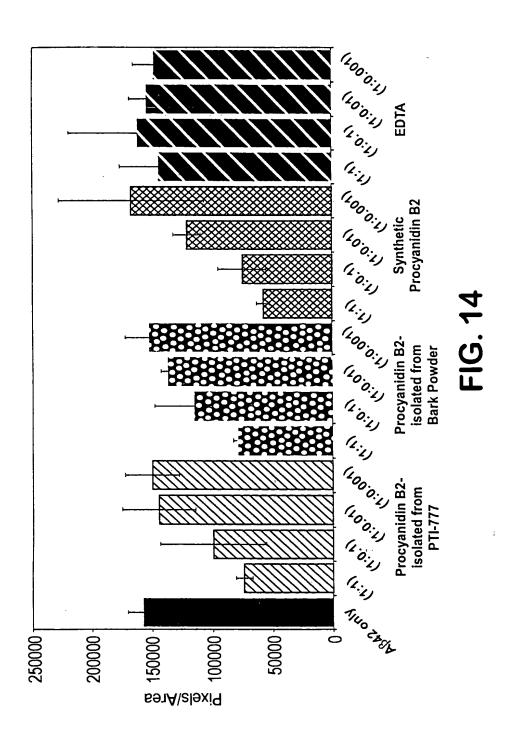




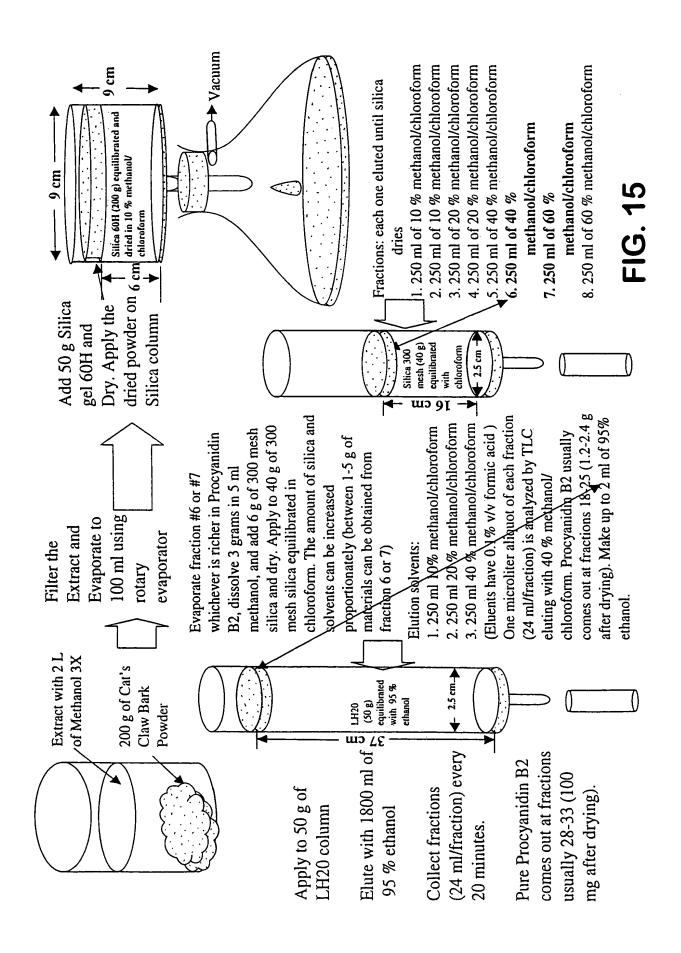
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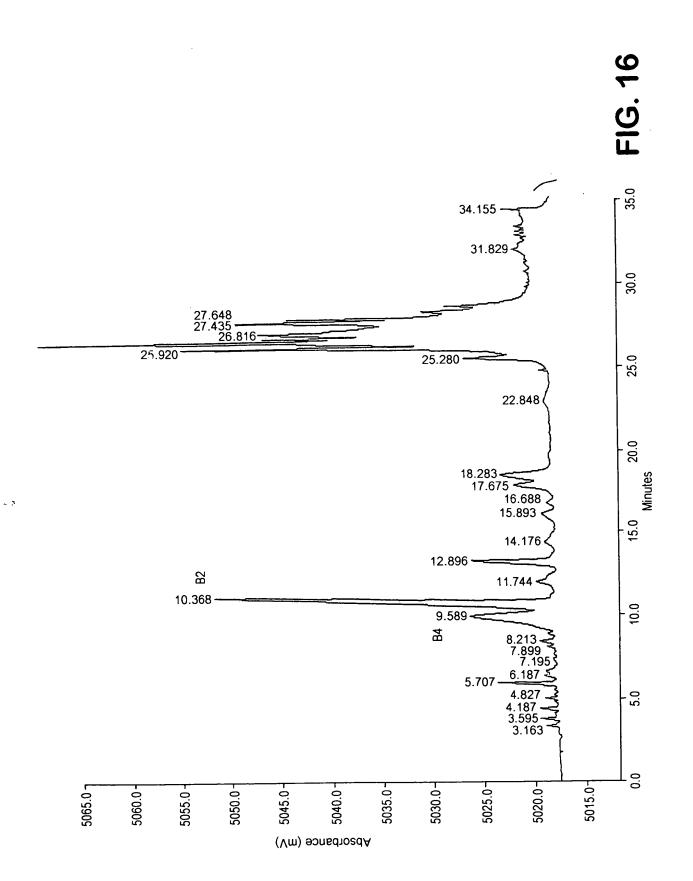
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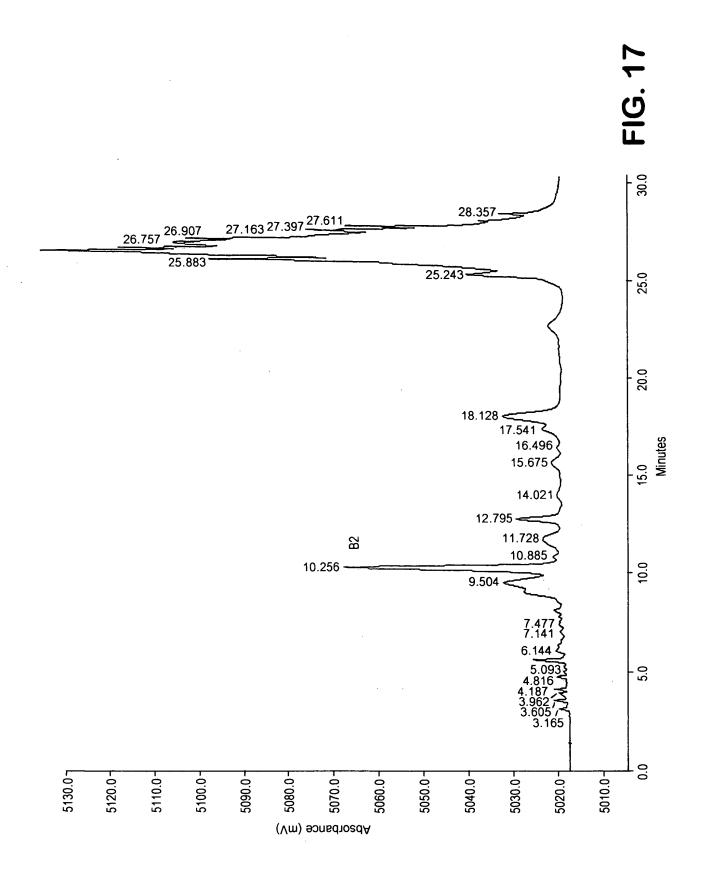
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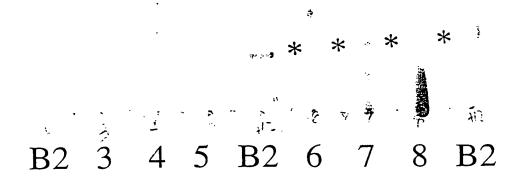
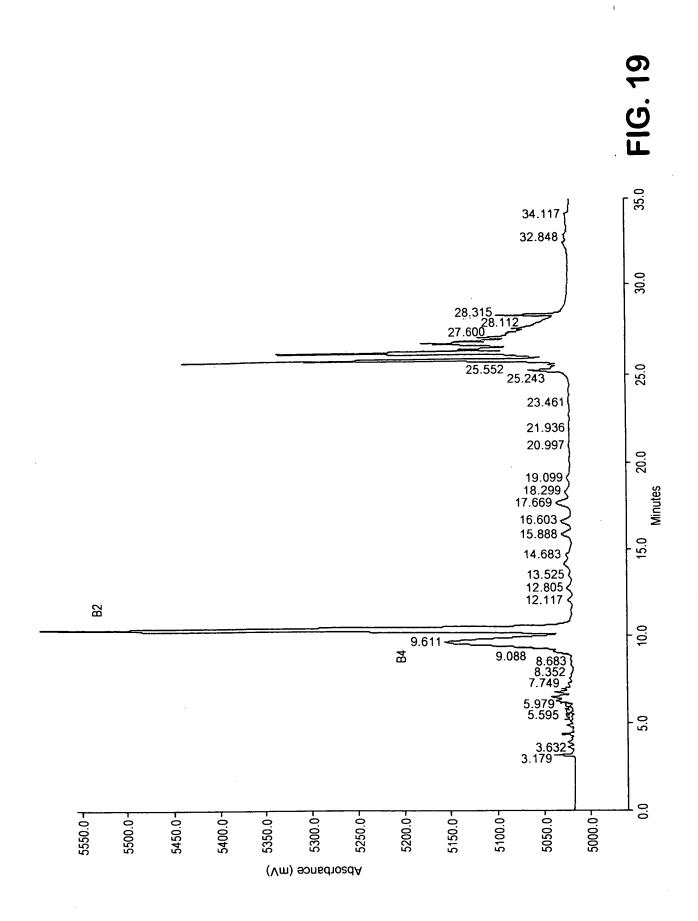


FIG. 18

REPLACEMENT SHEET FISH & RICHARDSON P.C. Sheet 19 of 25



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B2 11 12 13 B2 14 15 16 B2 17 18 19 B2 20 21 22 B2

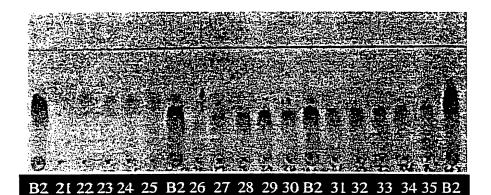
B2 23 24 25 B2 26 27 28 B2 29 30 31 B2 32 33 34 B2

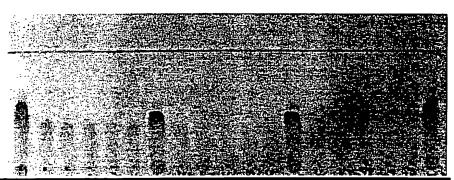
FIG. 20

REPLACEMENT SHEET FISH & RICHARDSON P.C. Sheet 21 of 25

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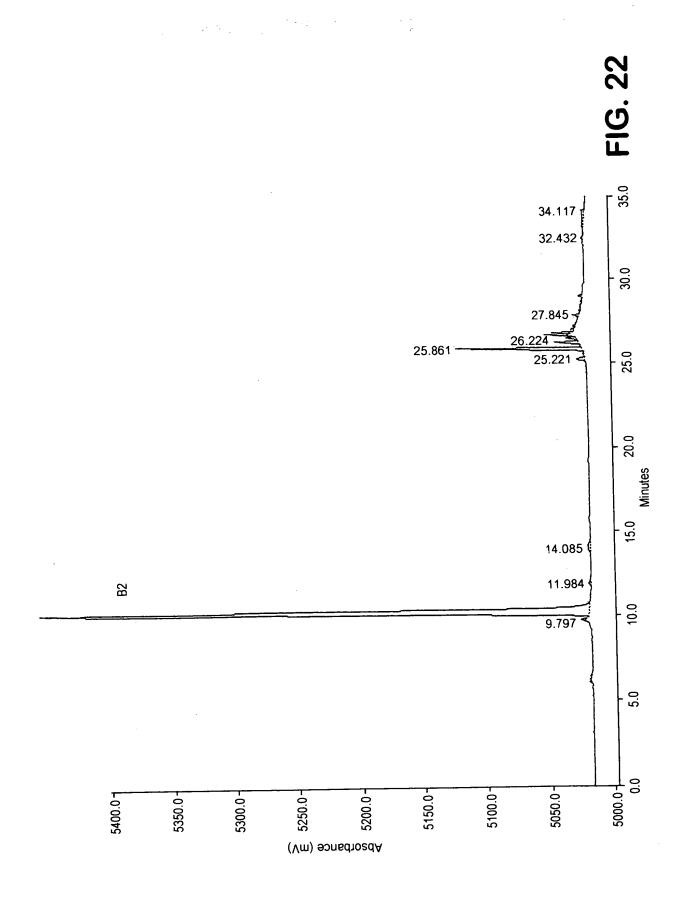




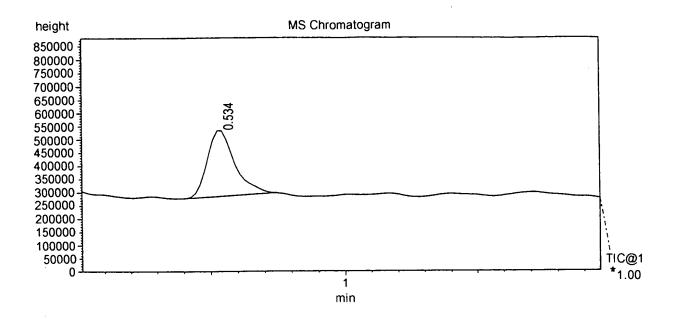
B2 36 37 38 39 40 B2 41 42 43 44 45 B2 46 47 48 49 50 B2

FIG. 21

REPLACEMENT SHEET FISH & RICHARDSON P.C. Sheet 22 of 25



REPLACEMENT SHEET FISH & RICHARDSON P.C. Sheet 23 of 25



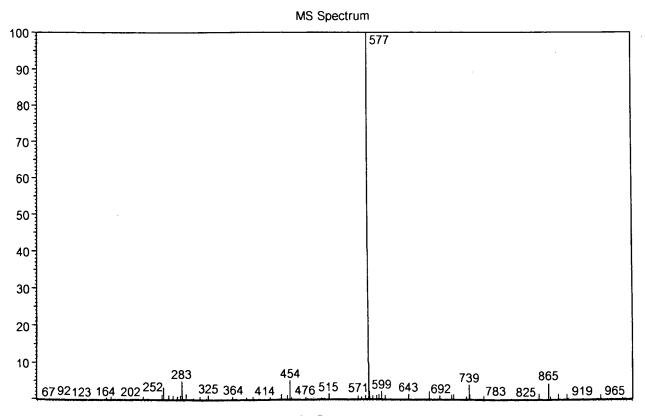
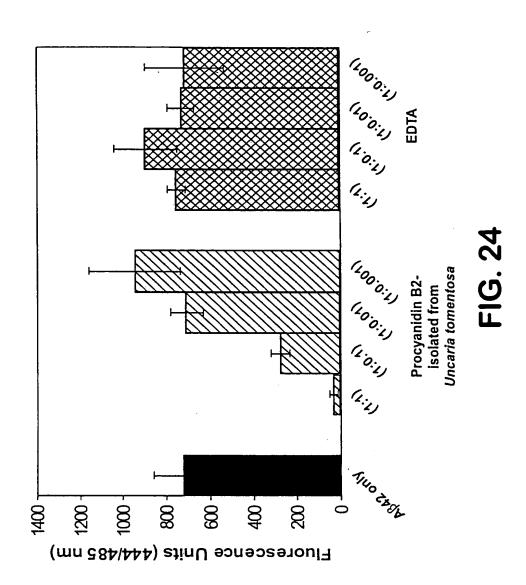


FIG. 23

REPLACEMENT SHEET FISH & RICHARDSON P.C. Sheet 24 of 25



REPLACEMENT SHEET FISH & RICHARDSON P.C.

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